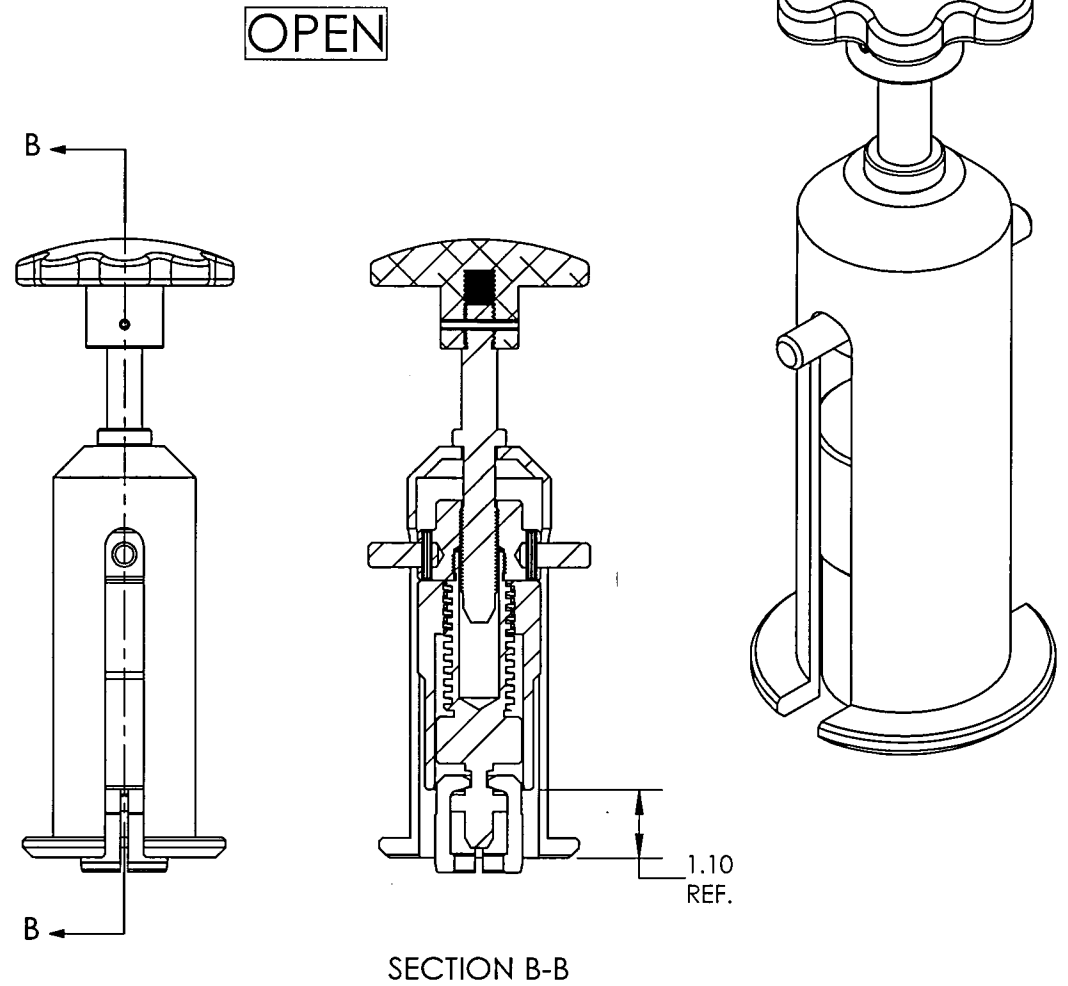
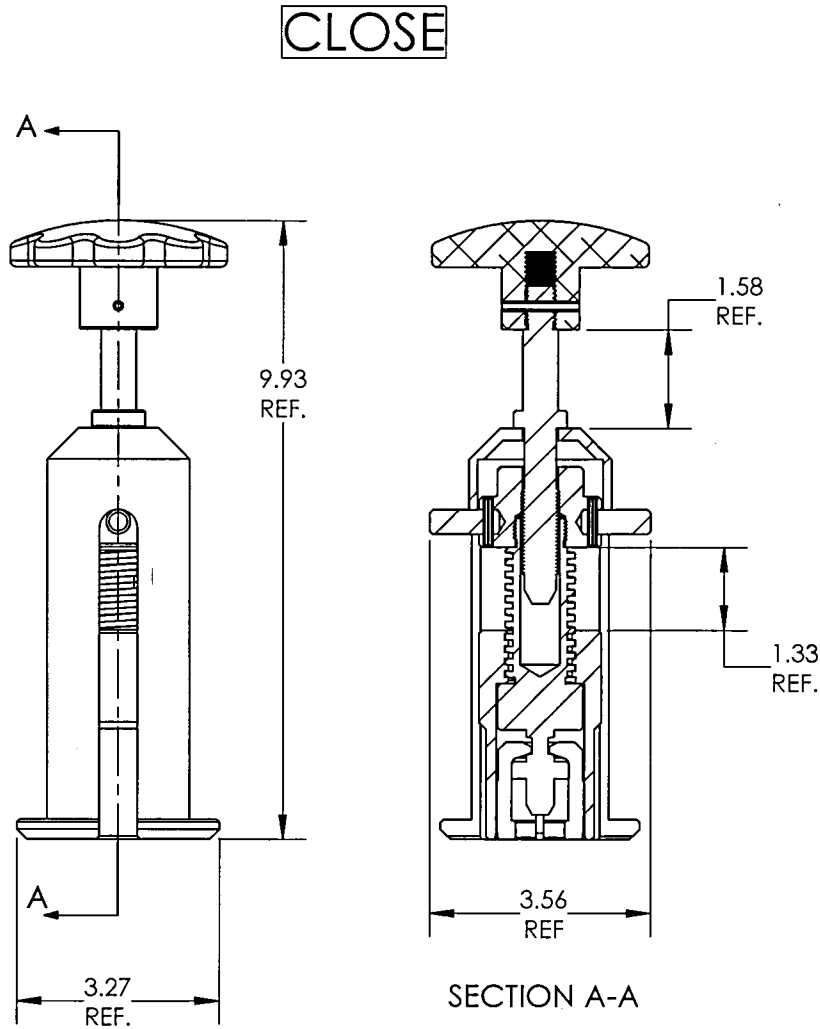
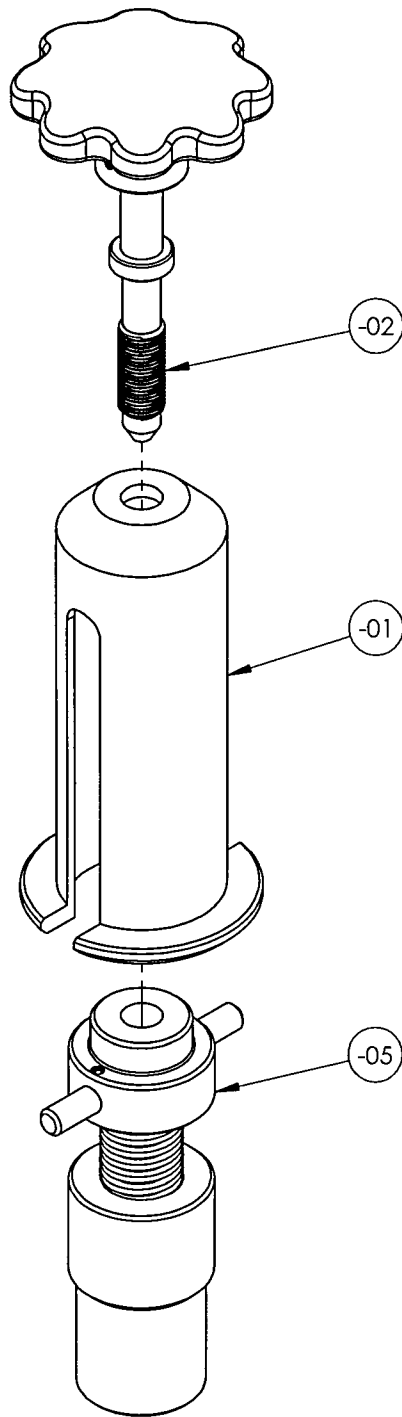


ITEM #	QTY	PART #	TITLE	PG
-01	1	RBE117-12300W4-01	CYLINDER GUIDE	2
-02	1	RBE117-12300W4-02	HANDLE ASSY	3
-05	1	RBE117-12300W4-05	SCREW ASSY	6

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.07.13	VM	WM

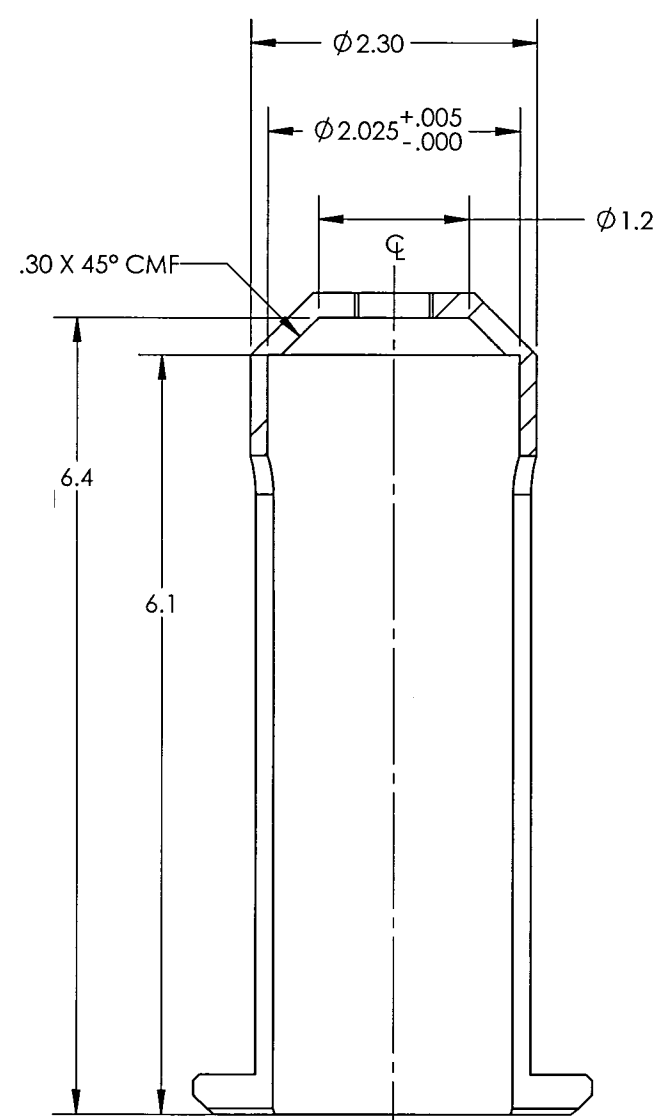
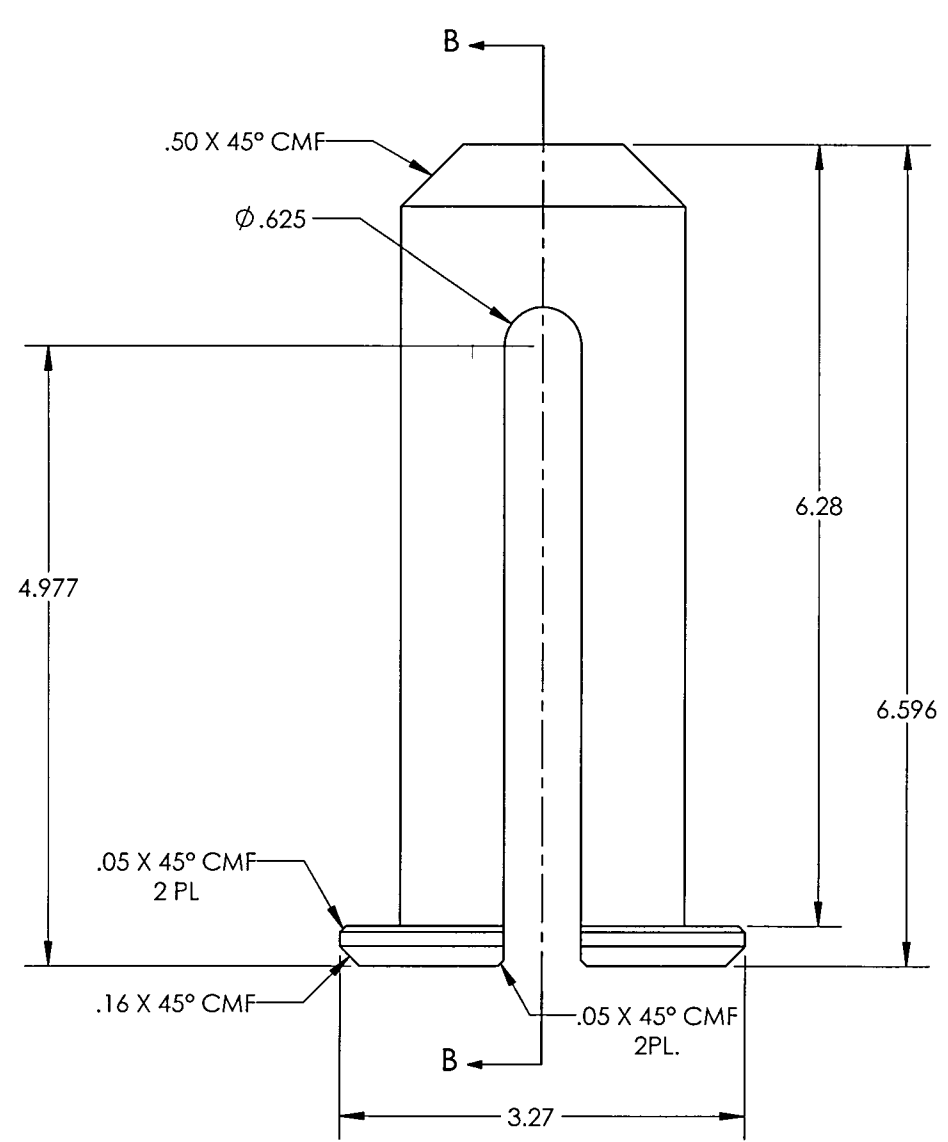
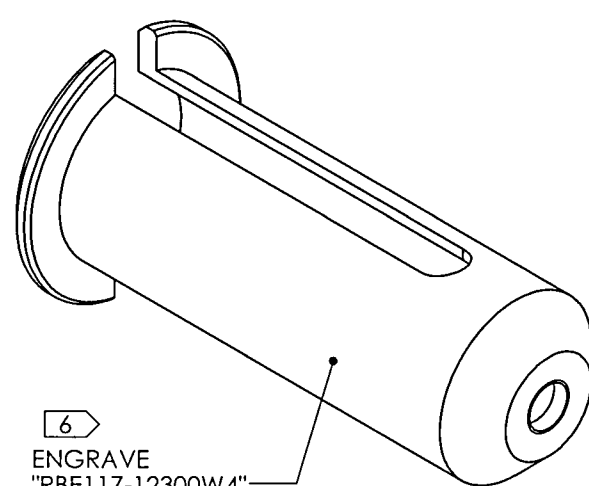
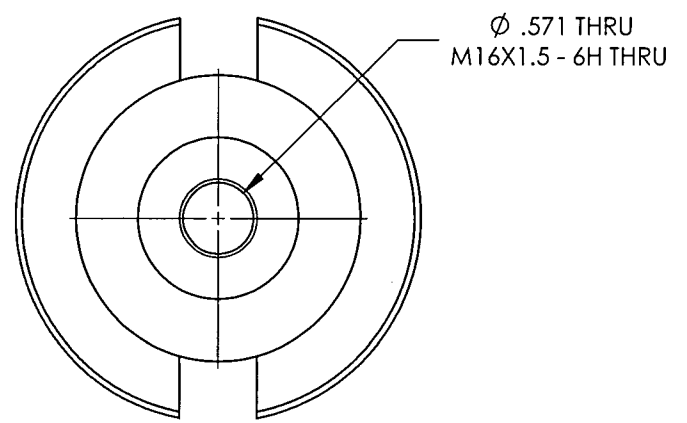


REF. AIRBUS T/N 117-12300W4

DART AEROSPACE		Hawkesbury, Ontario, Canada	
TITLE PULLER ASSY			
DWG NO. RBE117-12300W4		REV A7	
DESIGN BY:	VM 8/17/2017	.XXX ± .005	FRACTIONS ± 1/8
DRAWN BY:	VM 09/21/2017	.XX ± .01	ANGLES ± 5°
CHECKED:	SAC 09/22/17	.X ± .1	SURFACES = 125
MFG. APPR:	DP 09/22/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR:	PD 09/22/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	WM 09/22/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: N/A	SHEET 1 OF 11
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EDN 17-666

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SECTION B-B

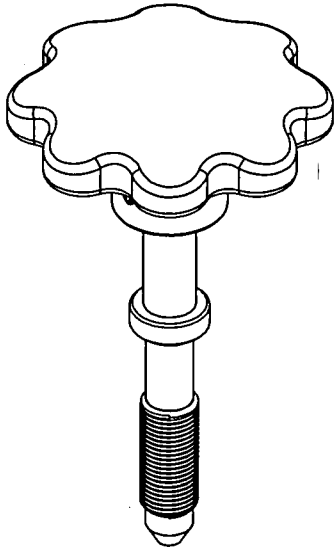
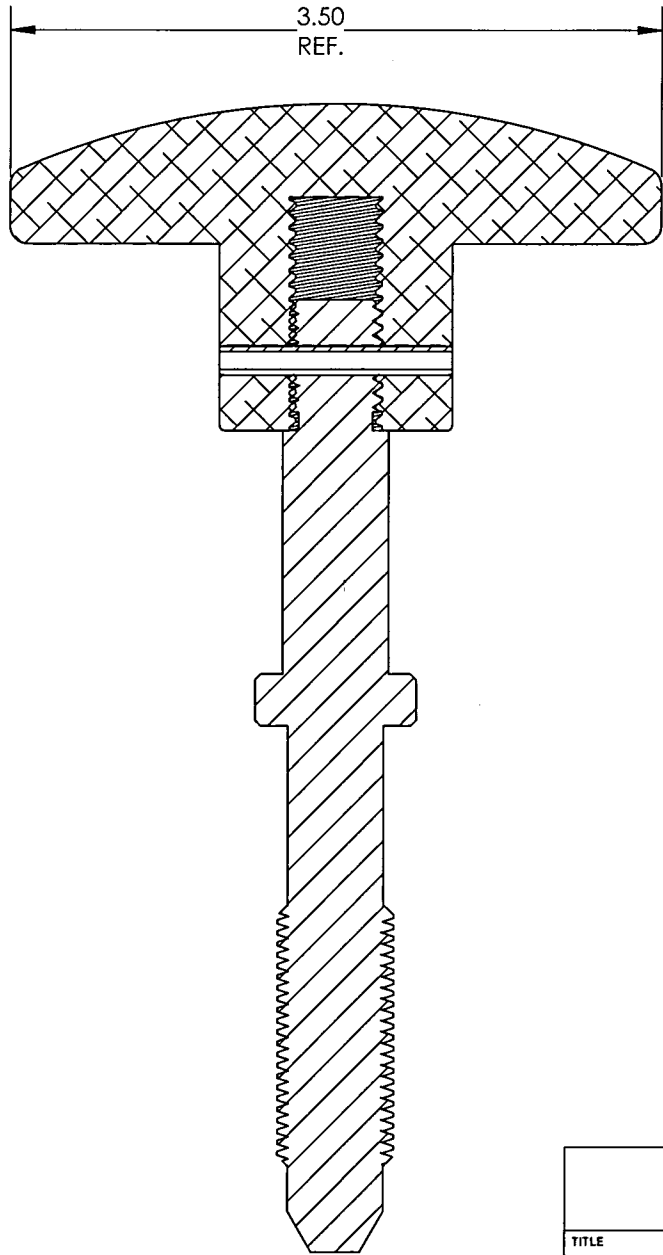
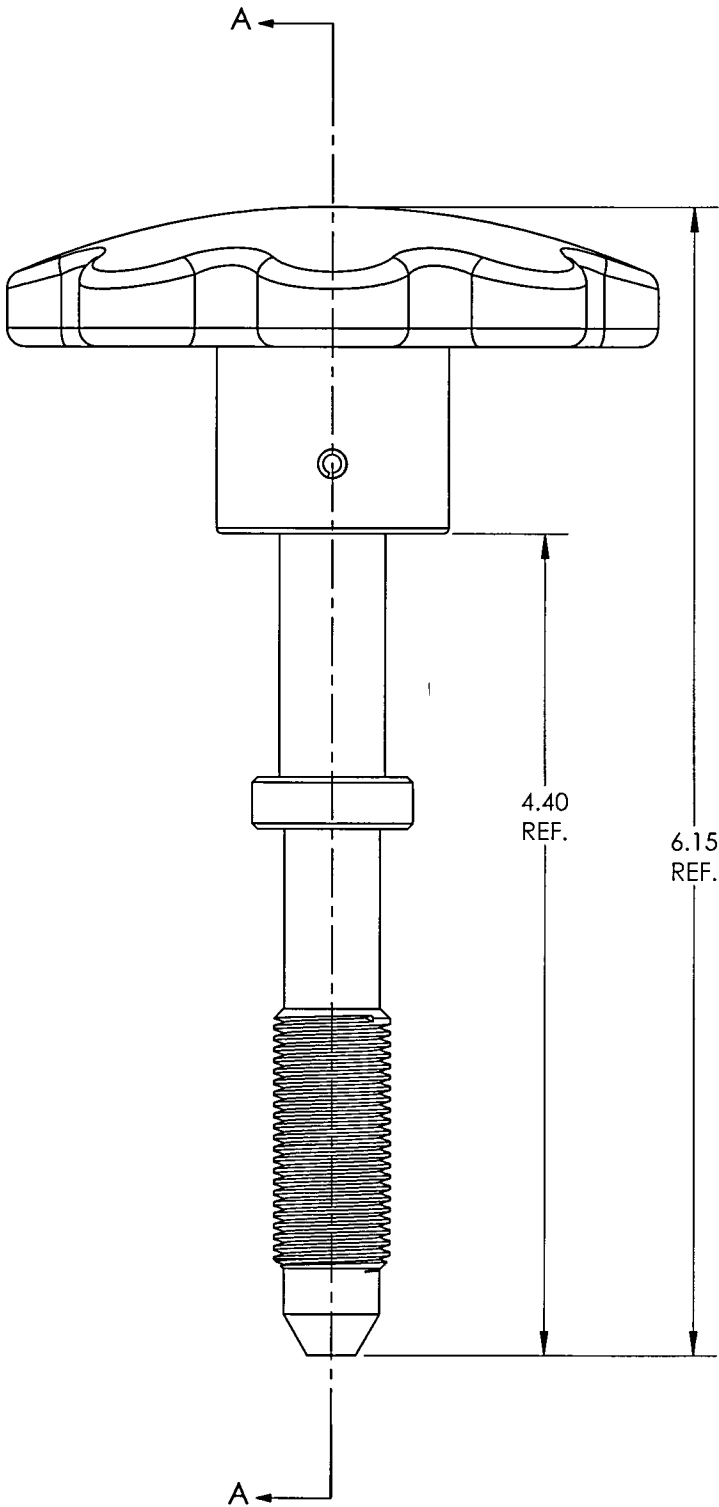
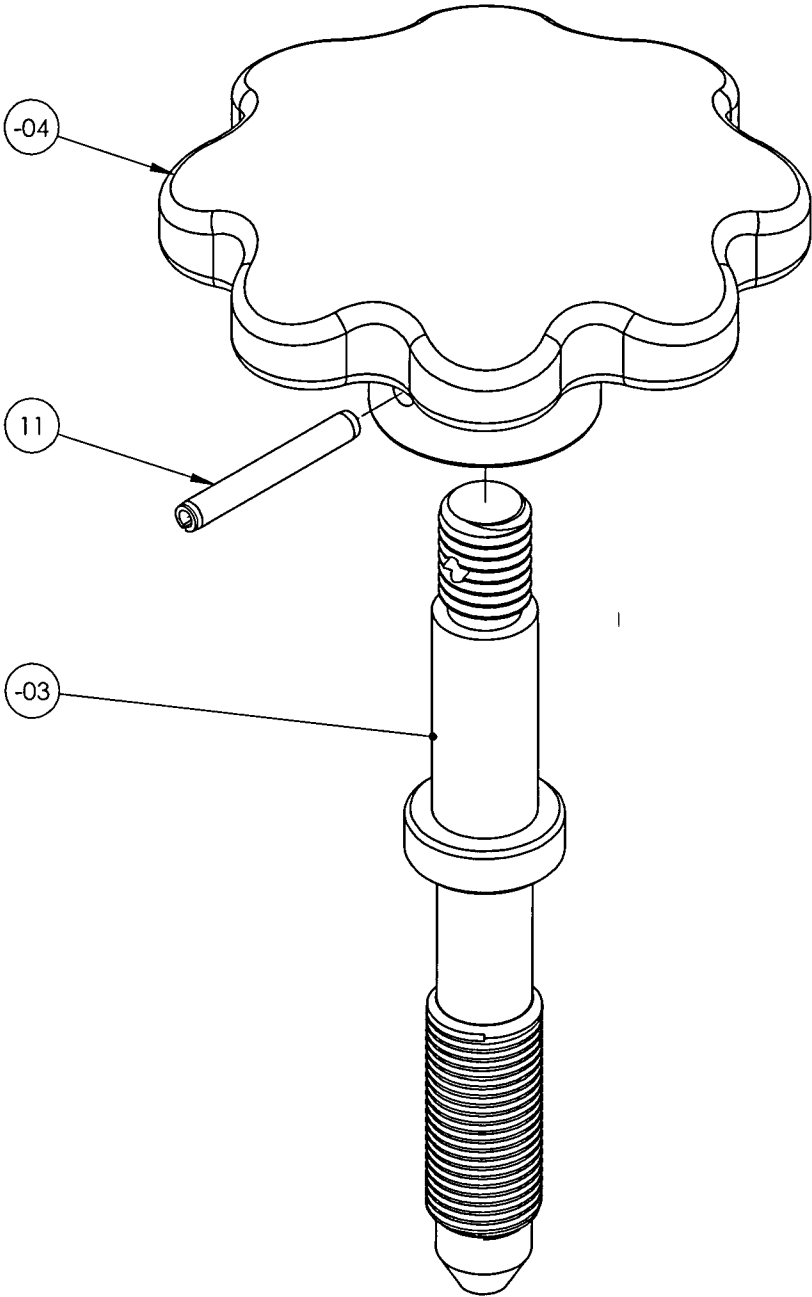
- NOTES:
- 1) MATERIAL: AISI 4140/4142
 - 2) FINISH: BLACK OXIDE
 - 3) HEAT TREAT: RC 28-34
 - 4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
 - 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
 - 6) IDENTIFICATION: AS PER QSI 044

DART AEROSPACE Hawkesbury, Ontario, Canada			
TITLE CYLINDER GUIDE			
DWG NO. RBE117-12300W4-01		REV AX	
DESIGN BY:	VM 8/7/2017	.XXX ± .005	FRACTIONS ± 1/8
DRAWN BY:	VM 09/21/2017	.XX ± .01	ANGLES ± 5°
CHECKED:	SPC 09/21/17	.X ± .1	SURFACES = 125
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR:	PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	VM 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: 1.86LBS	SHEET 2 OF 11
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EN 1766

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ITEM #	QTY	PART #	TITLE	PG
-03	1	RBE117-12300W4-03	SCREW	4
-04	1	RBE117-12300W4-04	HANDLE	5
11	1	McMaster#90692A714	SPRING PIN	



SECTION A-A

HAWKESBURY, ONTARIO, CANADA			
TITLE: HANDLE ASSY			
DWG NO.: RBE117-12300W4-02			REV: AX
DESIGN BY:	VM 8/7/2017	.XXX ± .005 FRACTIONS ± 1/8	
DRAWN BY:	VM 09/21/2017	.XX ± .01 ANGLES ± 5°	
CHECKED:	SAC 09/21/17	.X ± .1 SURFACES = 125	
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR.:	PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	WN 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: N/A	SHEET 3 OF 11
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ECN17-666

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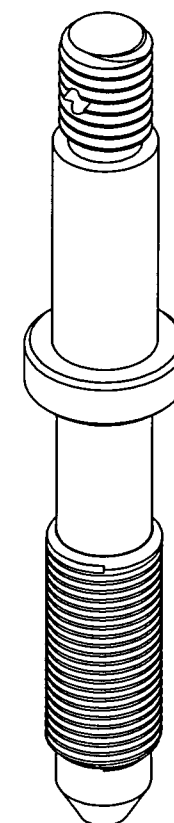
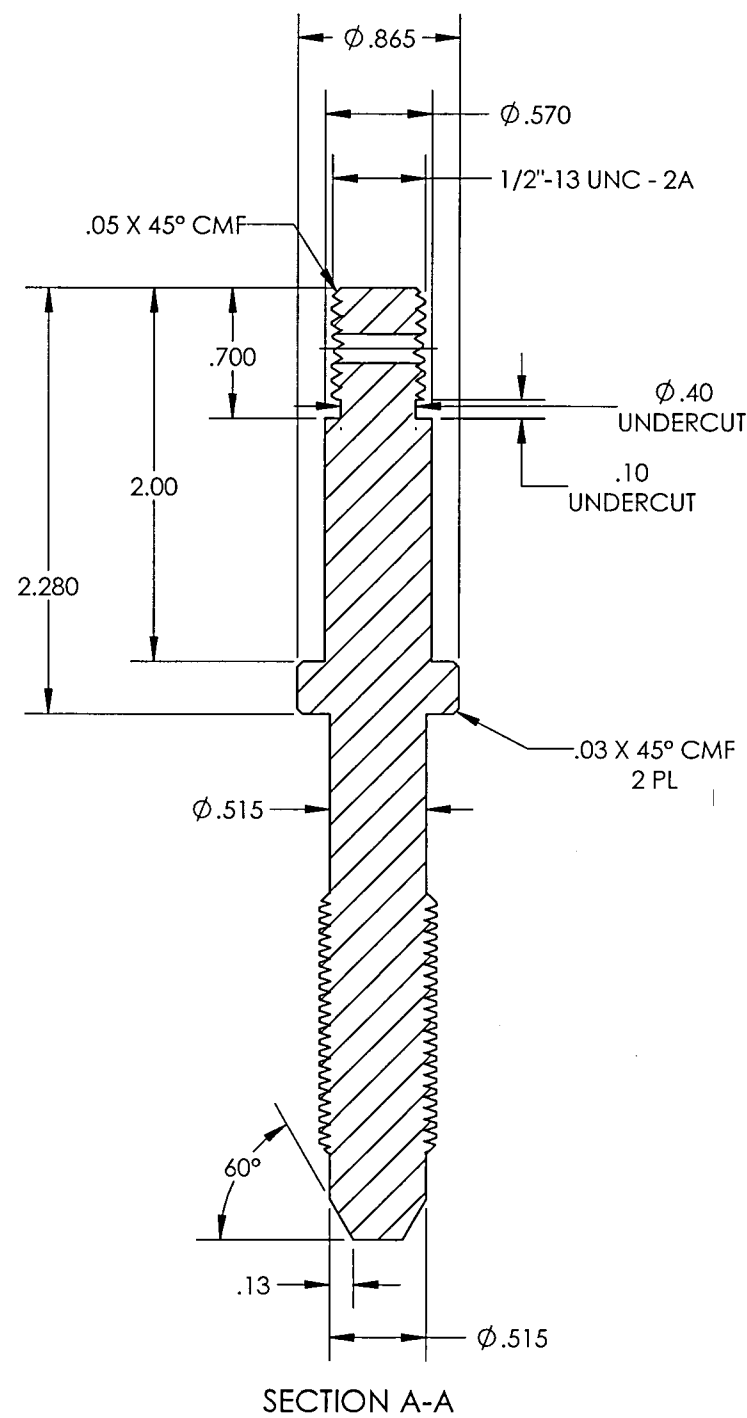
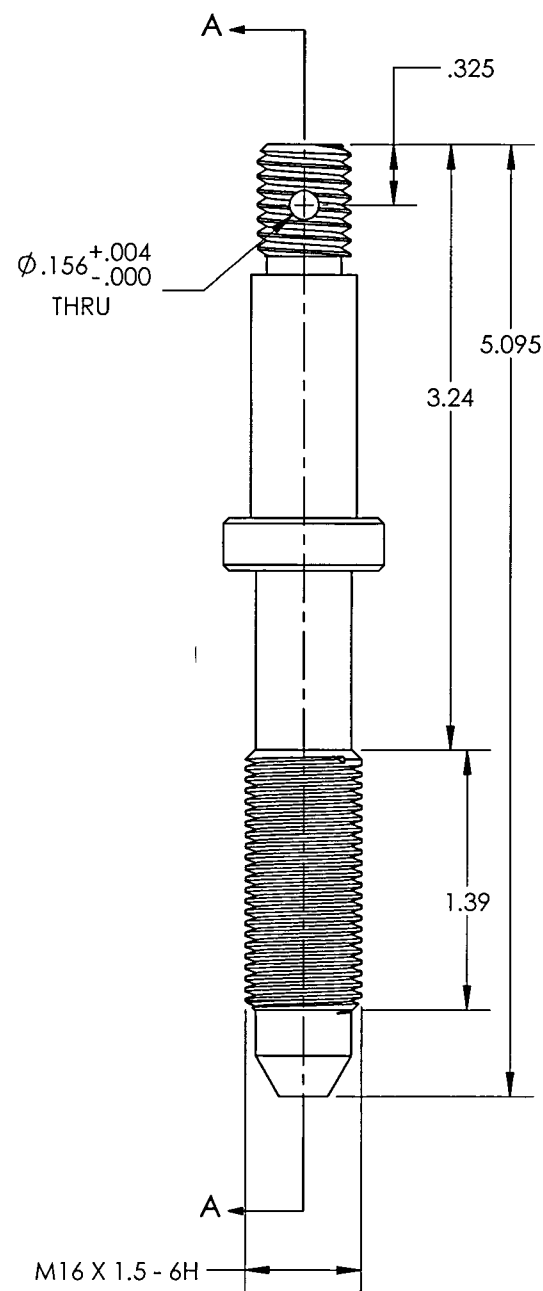
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NOTES:

- 1) MATERIAL: AISI 4140/4142
- 2) FINISH: BLACK OXIDE
- 3) HEAT TREAT: RC 28-34
- 4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
- 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
- 6) IDENTIFICATION: N/A

DART
 AEROSPACE

Hawkesbury, Ontario, Canada

TITLE

SCREW

DWG NO.

RBE117-12300W4-03

REV

AX

DESIGN BY:

VM 8/7/2017

DRAWN BY:

VM 09/21/2017

CHECKED:

SAC 09/21/17

MFG. APPR:

DP 09/21/17

QA APPR:

PD 09/21/17

APPROVED:

WH 09/21/17

DATE: 9/21/2017

SCALE: NTS

WEIGHT: 0.35LBS

SHEET 4 OF 11

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ECN 17-666

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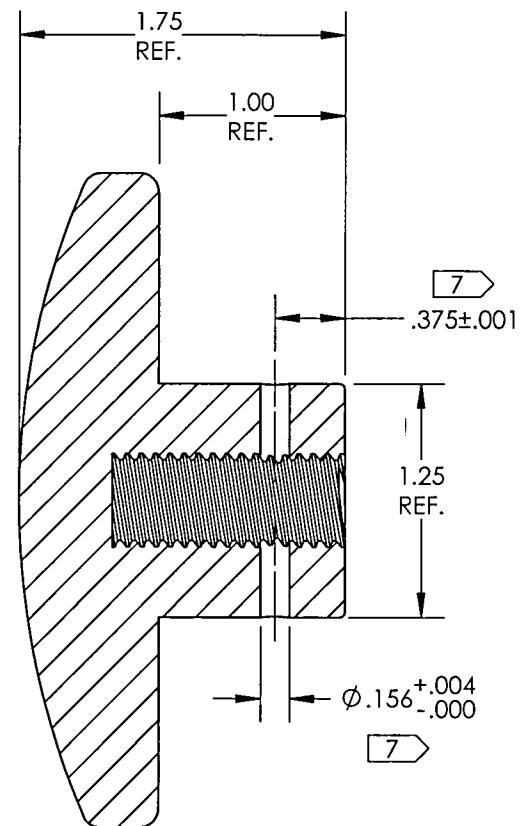
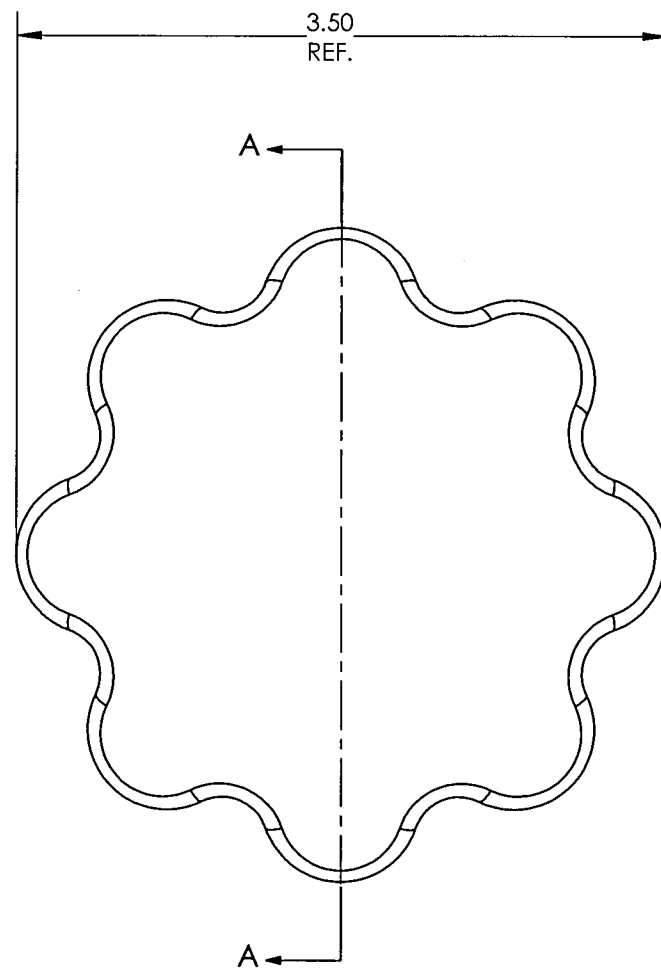
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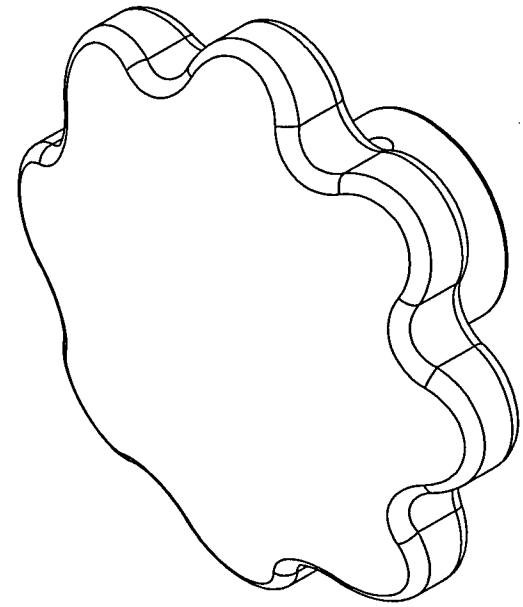
C

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SECTION A-A



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NOTES:

- 1) MATERIAL: McMASTER # 61515K242
- 2) FINISH: N/A
- 3) HEAT TREAT: N/A
- 4) SPEC: N/A
- 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
- 6) IDENTIFICATION: N/A
- 7) DRILL .156" DIA HOLE IN THE HANDLE AS PER TOLERANCE INDICATED

DART
AEROSPACE

Hawkesbury, Ontario, Canada

TITLE

HANDLE

DWG NO.

RBE117-12300W4-04

REV

AX

DESIGN BY:

VM 8/7/2017

DRAWN BY:

VM 09/21/2017

CHECKED:

SAC 09/21/17

MFG. APPR:

DP 09/21/17

QA APPR:

PD 09/21/17

APPROVED:

VM 09/21/17

DATE: 9/21/2017

SCALE: NTS

WEIGHT: N/A

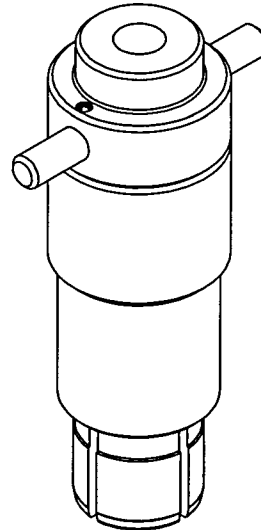
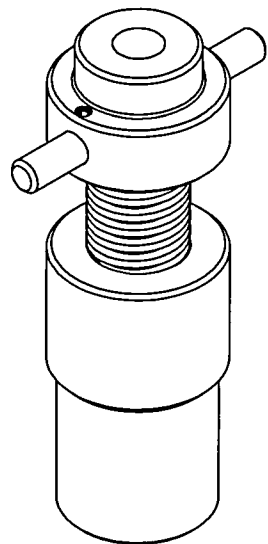
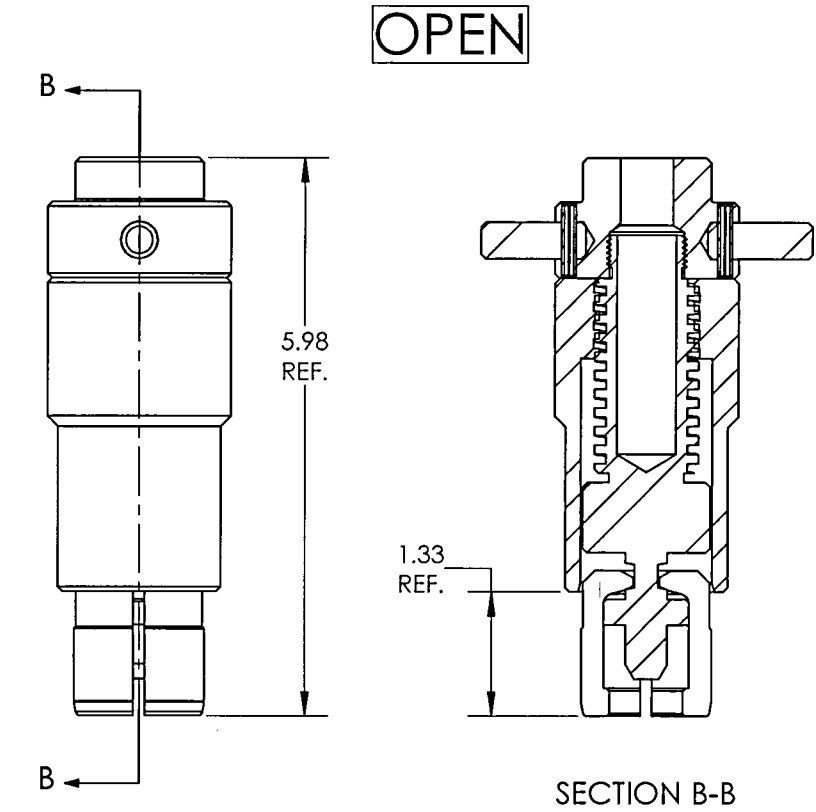
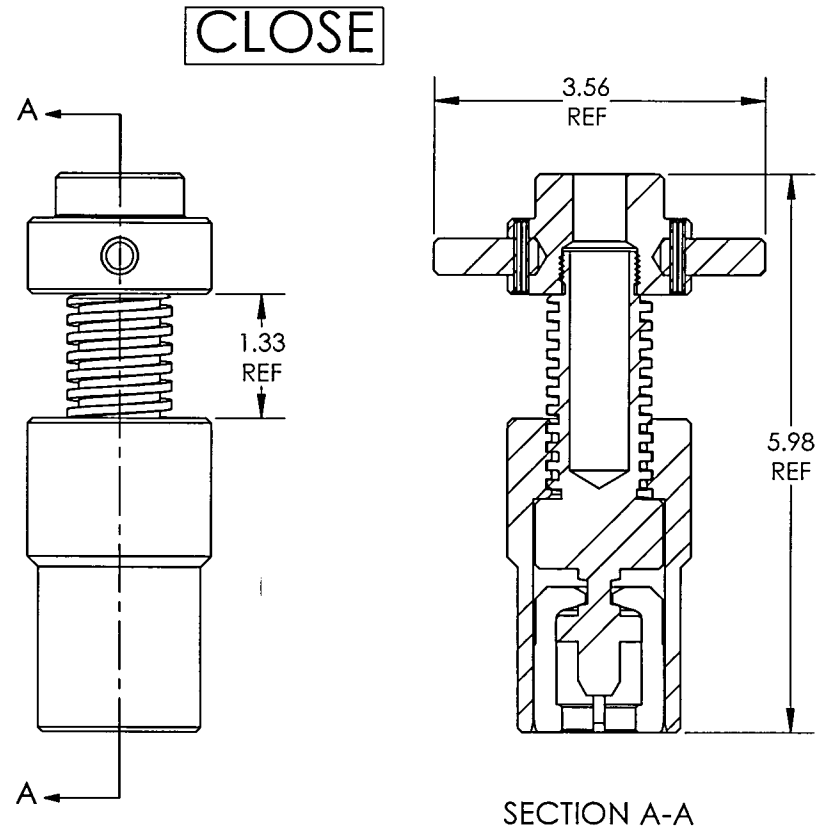
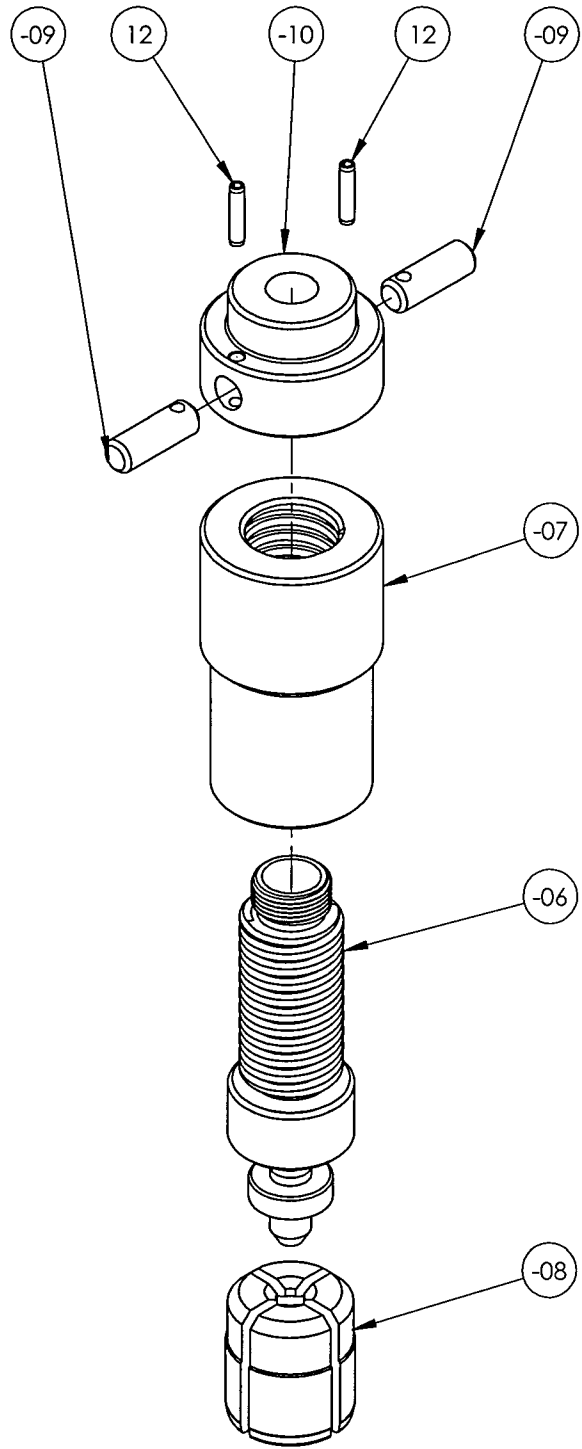
SHEET 5 OF 11

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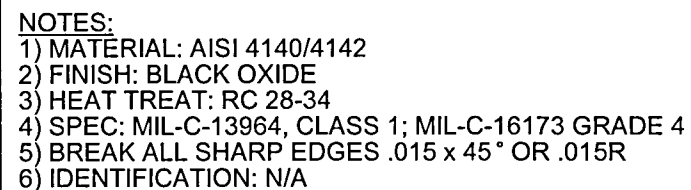
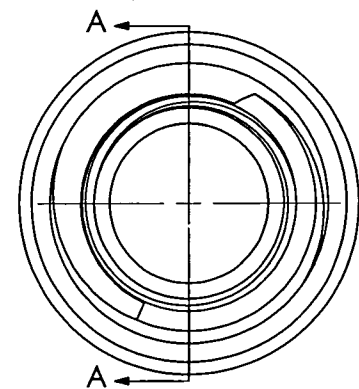
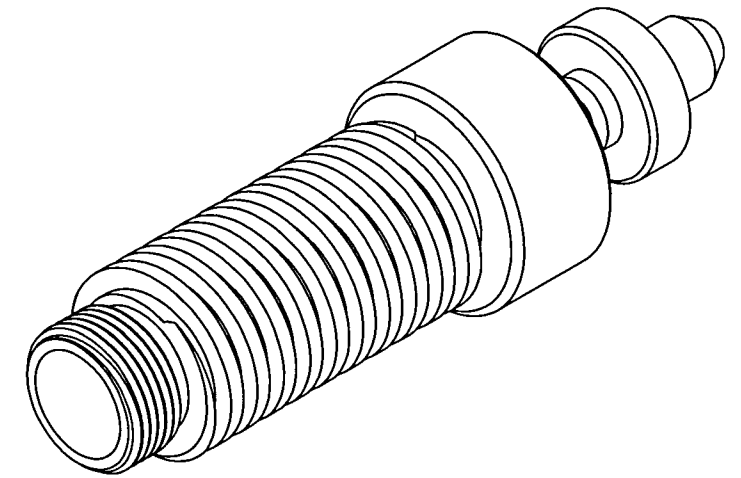
ECN 17-006

ITEM #	QTY	PART #	TITLE	PG
-06	1	RBE117-12300W4-06	PUSH SCREW	7
-07	1	RBE117-12300W4-07	CYLINDER GUIDE	8
-08	4	RBE117-12300W4-08	FINGERS	9
-09	2	RBE117-12300W4-09	SCREW HANDLE PIN	10
-10	1	RBE117-12300W4-10	SCREW HANDLE	11
12	2	McMaster#92383A713	5/32" X 3/4" LG. SPRING PIN	



DART AEROSPACE		Hawkesbury, Ontario, Canada	
TITLE SCREW ASSY			
DWG NO. RBE117-12300W4-05		REV AX	
DESIGN BY:	VM 8/7/2017	.XXX ± .005	FRACTIONS ± 1/8
DRAWN BY:	VM 09/21/2017	.XX ± .01	ANGLES ± 5°
CHECKED:	SAC 09/21/17	.X ± .1	SURFACES = 125
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR:	PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	VM 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: N/A	SHEET 6 OF 11
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ECN 17-162



		Hawkesbury, Ontario, Canada	
TITLE PUSH SCREW			
DWG NO. RBE117-12300W4-06		REV A7	
DESIGN BY:	VM 8/7/2017	.XXX ± .005	FRACTIONS ± 1/8
DRAWN BY:	VM 09/21/2017	.XX ± .01	ANGLES ± 5°
CHECKED:	SAC 09/21/17	.X ± .1	SURFACES = 125✓
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR.:	PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	Wm 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: 0.73LBS	SHEET 7 OF 11
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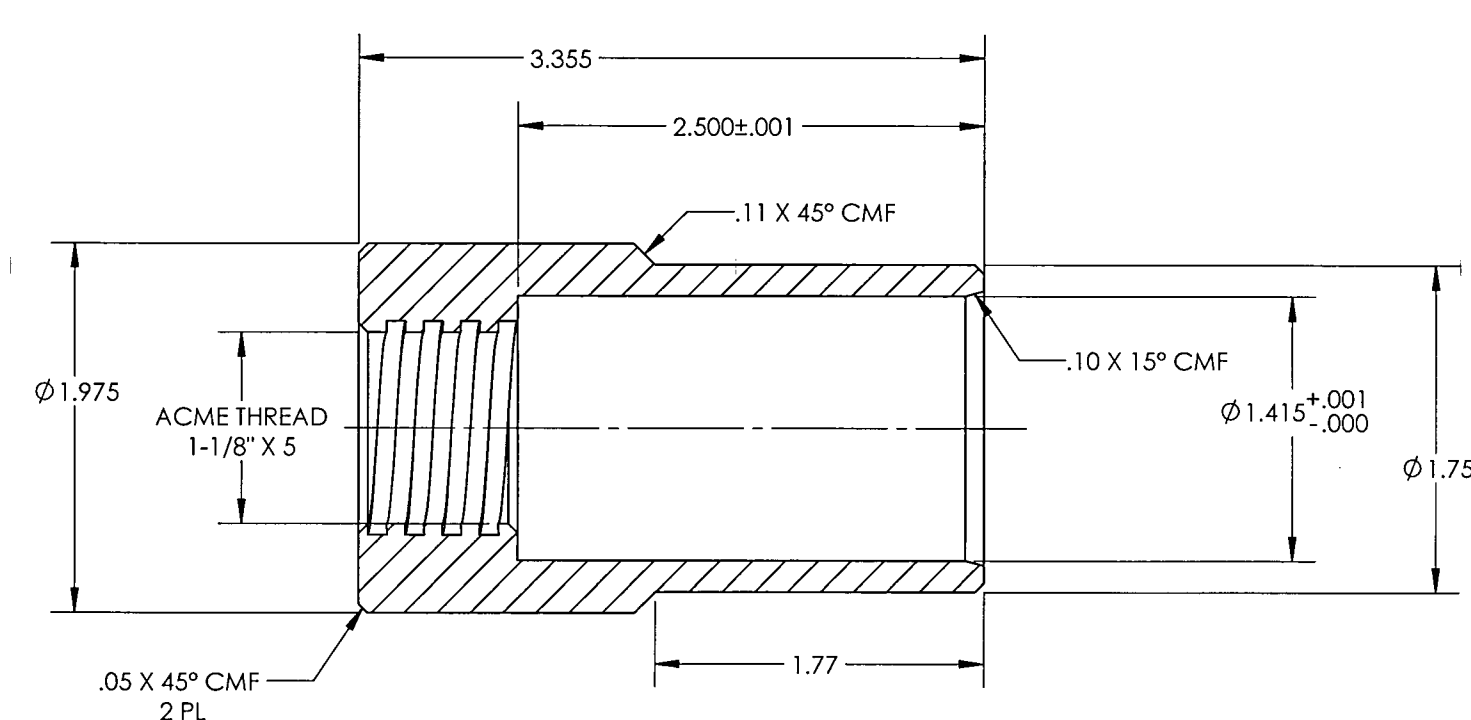
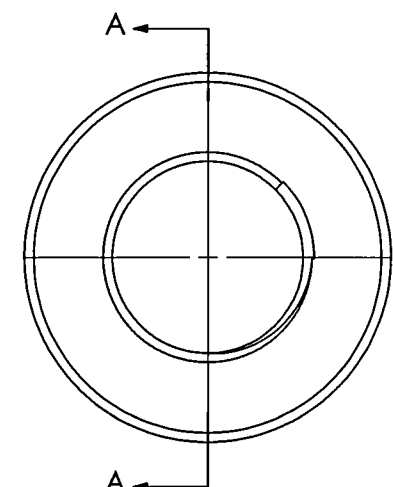
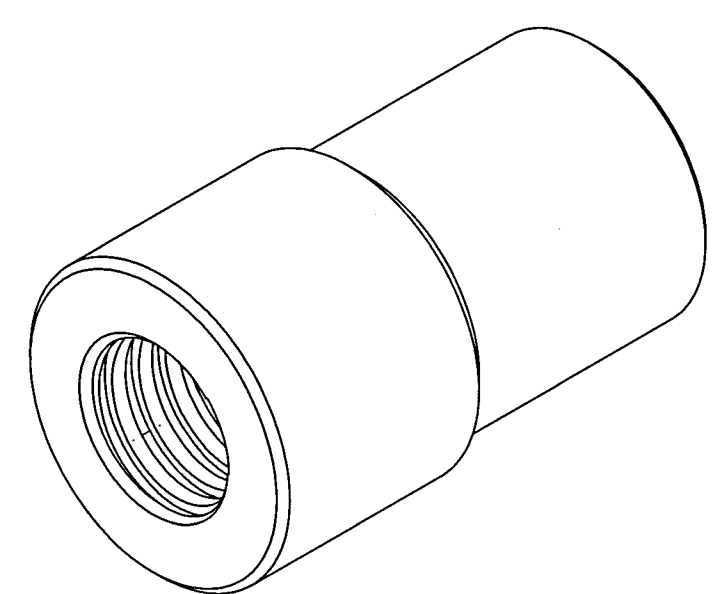
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SECTION A-A

- NOTES:
- 1) MATERIAL: AISI 4140/4142
 - 2) FINISH: BLACK OXIDE
 - 3) HEAT TREAT: RC 28-34
 - 4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
 - 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
 - 6) IDENTIFICATION: N/A

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE CYLINDER GUIDE	
DWG NO. RBE117-12300W4-07	REV A
DESIGN BY: VM 8/7/2017	.XXX ± .005 FRACTIONS ± 1/8
DRAWN BY: VM 09/21/2017	.XX ± .01 ANGLES ± 5°
CHECKED: SAC 09/21/17	.X ± .1 SURFACES = 125
MFG. APPR: DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
QA APPR.: PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: VM 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING
DATE: 9/21/2017	SCALE: NTS WEIGHT: 1.23LBS SHEET 8 OF 11
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ECN 17466

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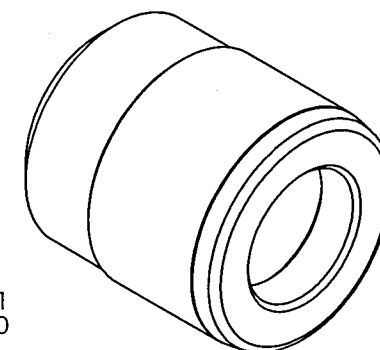
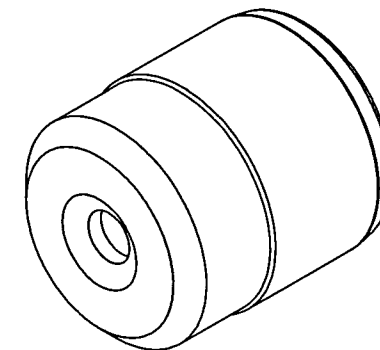
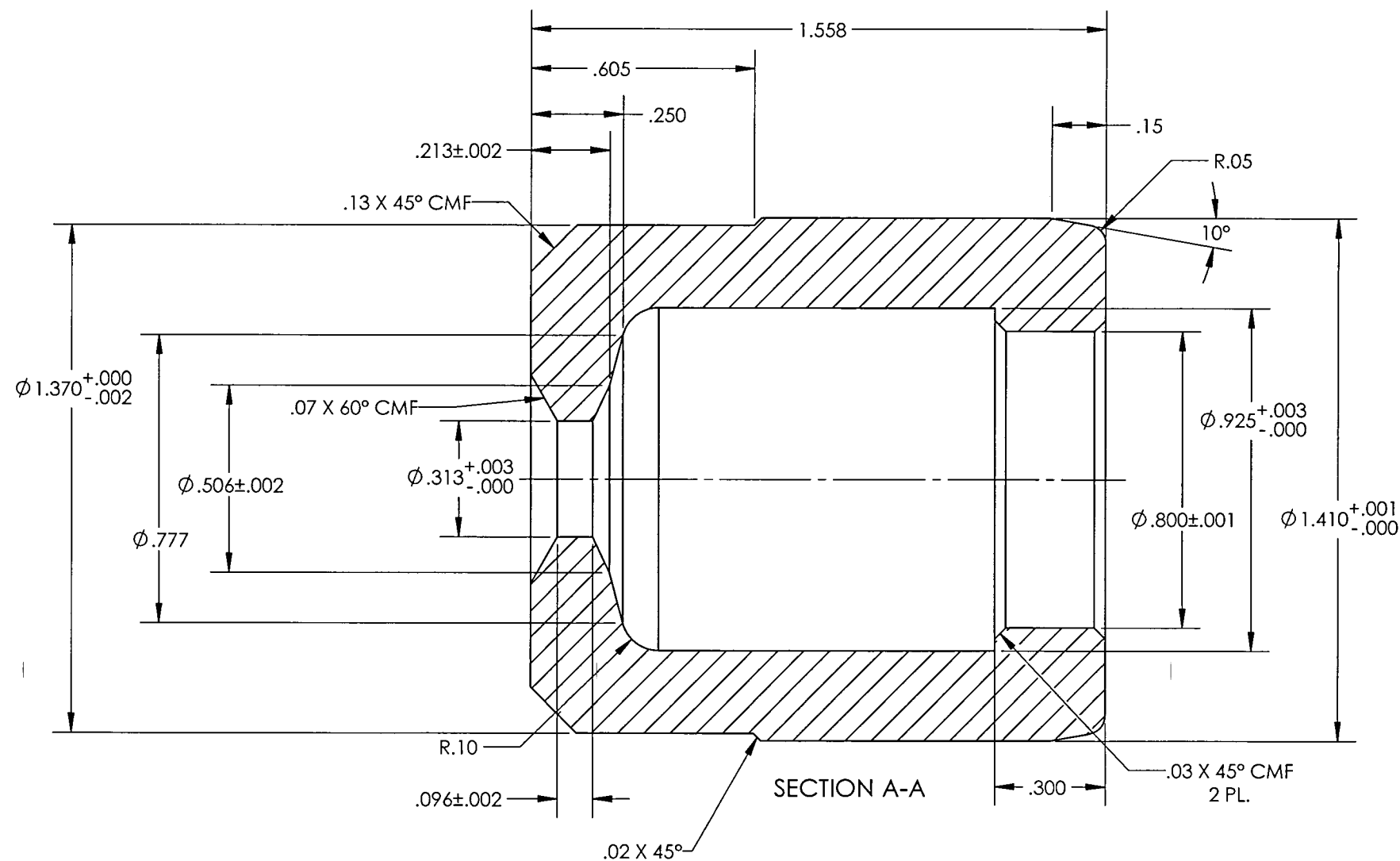
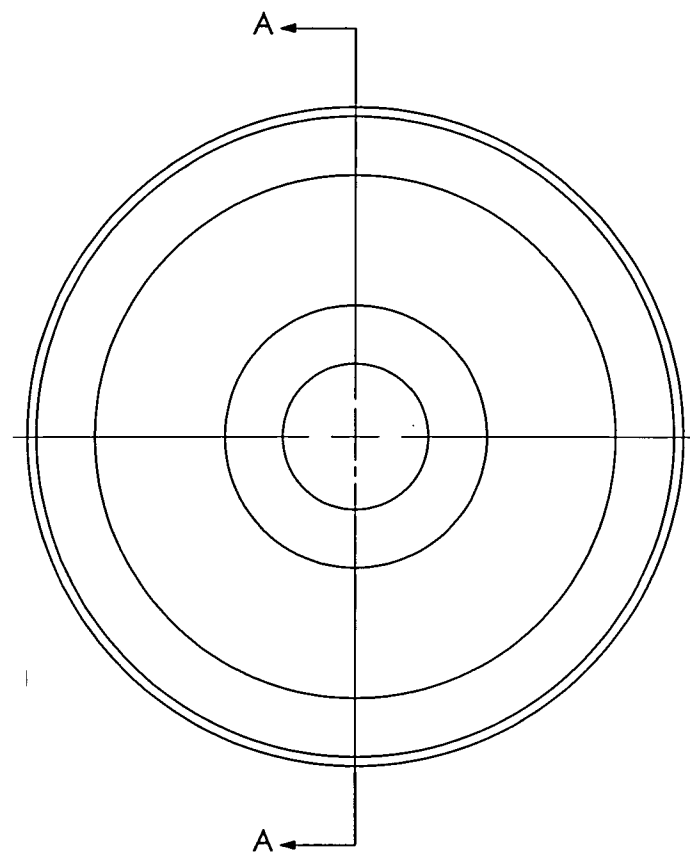
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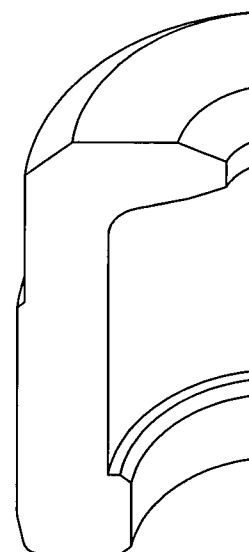
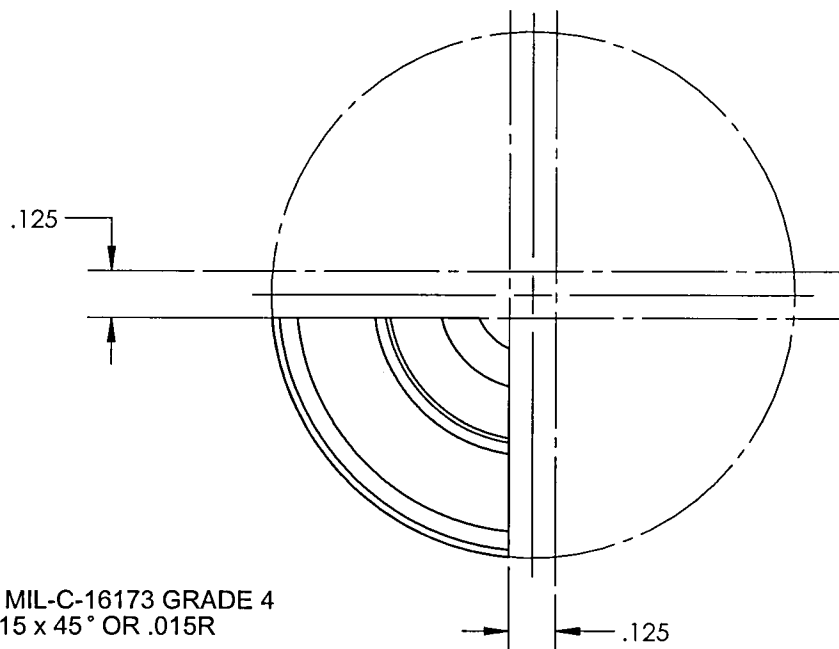
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STEP 1/2
TURNED



STEP 2/2
CUT



- NOTES:
1) MATERIAL: AISI 4140/4142
2) FINISH: BLACK OXIDE
3) HEAT TREAT: RC 28-34
4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
6) IDENTIFICATION: N/A

DART AEROSPACE Hawkesbury, Ontario, Canada			
TITLE FINGERS			
DWG NO. RBE117-12300W4-08		REV AX	
DESIGN BY:	VM 8/7/2017	.XX ± .005	FRACTIONS ± 1/8
DRAWN BY:	VM 09/21/2017	.X ± .01	ANGLES ± 5°
CHECKED:	SAC 09/21/17	.X ± .1	SURFACES = 125
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR:	PD 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: 0.05LBS	SHEET 9 OF 11
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ECN 17-666

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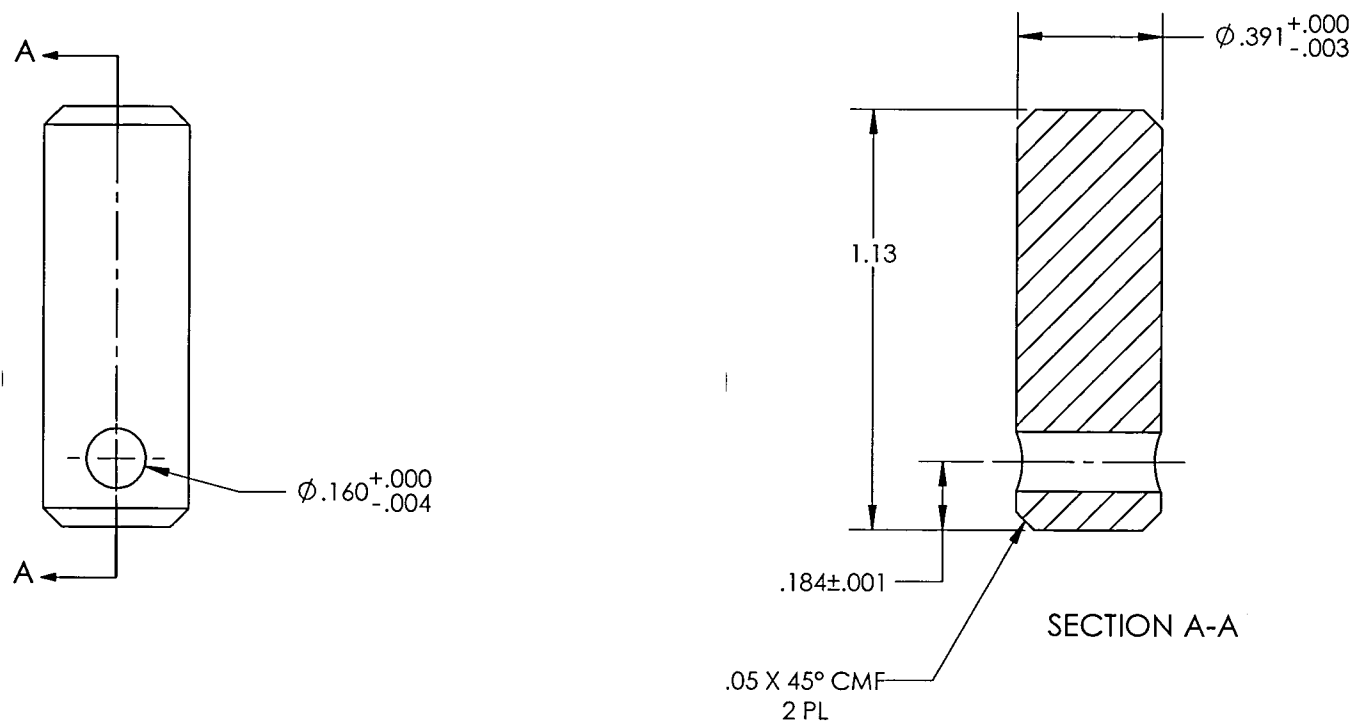
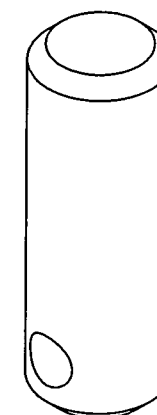
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NOTES:

- 1) MATERIAL: AISI 4140/4142
- 2) FINISH: BLACK OXIDE
- 3) HEAT TREAT: RC 28-34
- 4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
- 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
- 6) IDENTIFICATION: N/A



Hawkesbury, Ontario, Canada

TITLE
SCREW HANDLE PIN

DWG NO. RBE117-12300W4-09

REV

A

DESIGN BY: VM 8/7/2017

DRAWN BY: VM 09/21/2017

CHECKED: SAC 09/21/17

MFG. APPR: DP 09/21/17

QA APPR.: PD 09/21/17

APPROVED: VM 09/21/17

DATE: 9/21/2017

SCALE: NTS

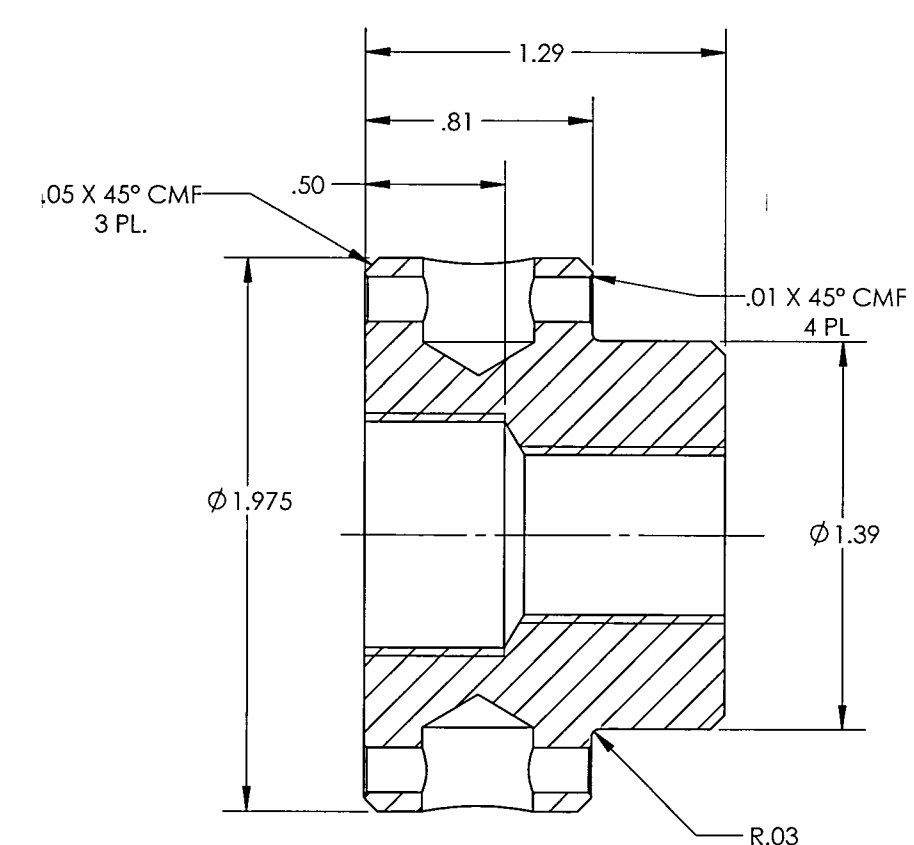
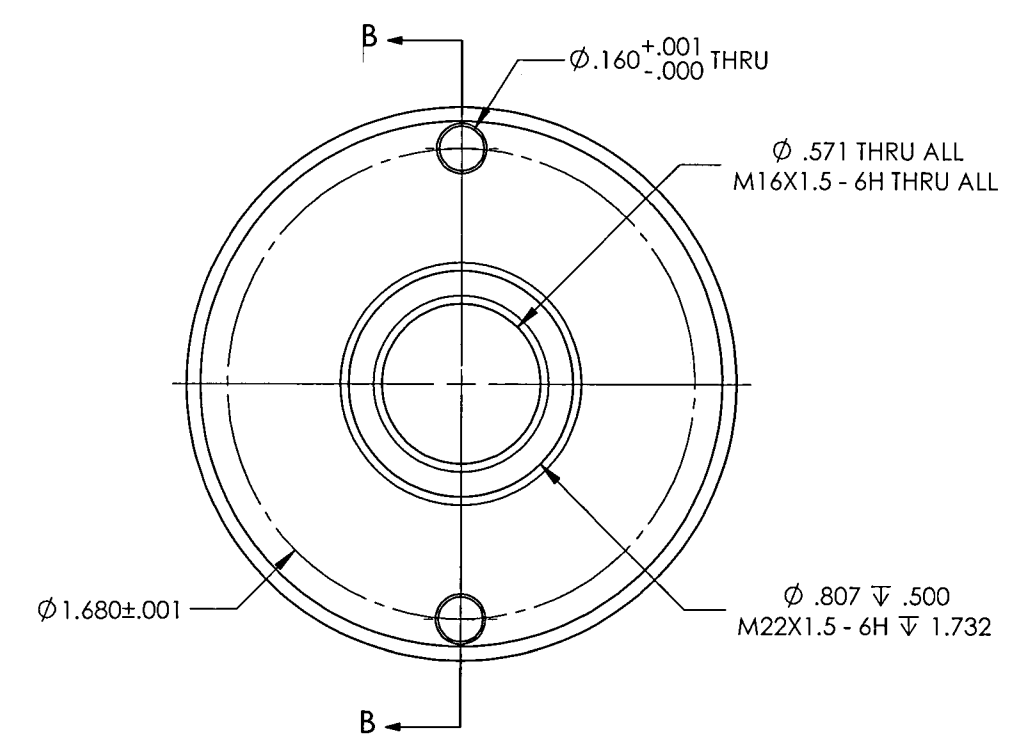
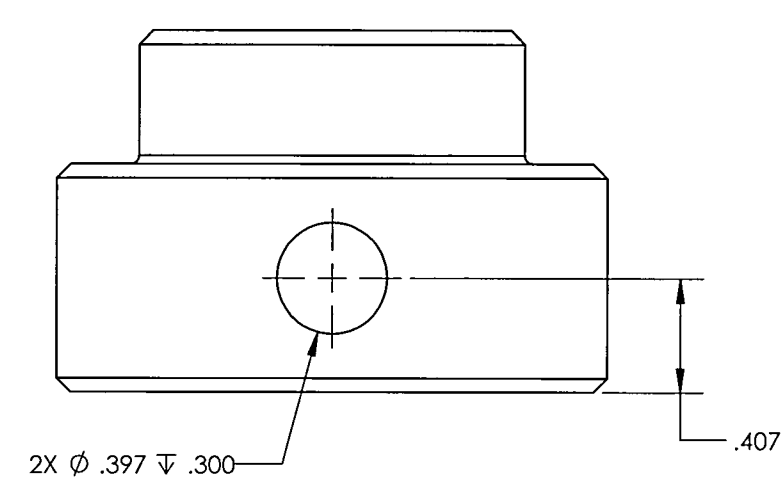
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SHEET 10 OF 11

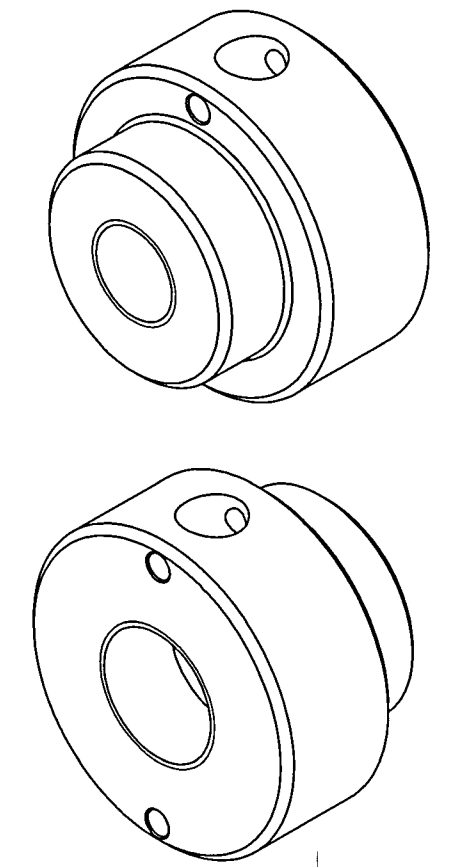
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FROM DART AEROSPACE LTD.

ECN 17-466

8 7 6 5 4 3 2 1



SECTION B-B



- NOTES:
- 1) MATERIAL: AISI 4140/4142
 - 2) FINISH: BLACK OXIDE
 - 3) HEAT TREAT: RC 28-34
 - 4) SPEC: MIL-C-13964, CLASS 1; MIL-C-16173 GRADE 4
 - 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
 - 6) IDENTIFICATION: N/A

EW 17-666

DART AEROSPACE Hawkesbury, Ontario, Canada			
TITLE SCREW HANDLE			
DWG NO. RBE117-12300W4-10		REV AK	
DESIGN BY:	VM 8/7/2017	.XXX $\pm .005$	FRACTIONS $\pm 1/8$
DRAWN BY:	VM 09/21/2017	.XX $\pm .01$	ANGLES $\pm 5^\circ$
CHECKED:	SAC 09/21/17	.X $\pm .1$	SURFACES = 125
MFG. APPR:	DP 09/21/17	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
QA APPR:	DP 09/21/17	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:	WM 09/21/17	3. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DATE: 9/21/2017	SCALE: NTS	WEIGHT: 0.75LBS	SHEET 11 OF 11
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